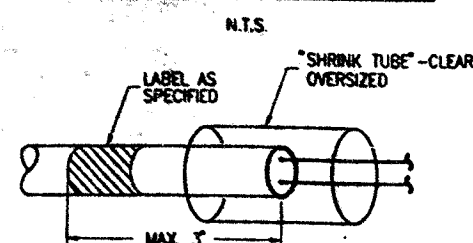


# TYPICAL CABLE LABELING METHOD



- APPLY LABEL TO OUTER JACKET OF CABLE. MAXIMUM OF 3" FROM STRIPPED END AS SHOWN. NOT TO BE COVERED BY OVERSIZED SHRINK.
- DETAIL APPLIES TO ALL CABLE TYPES.

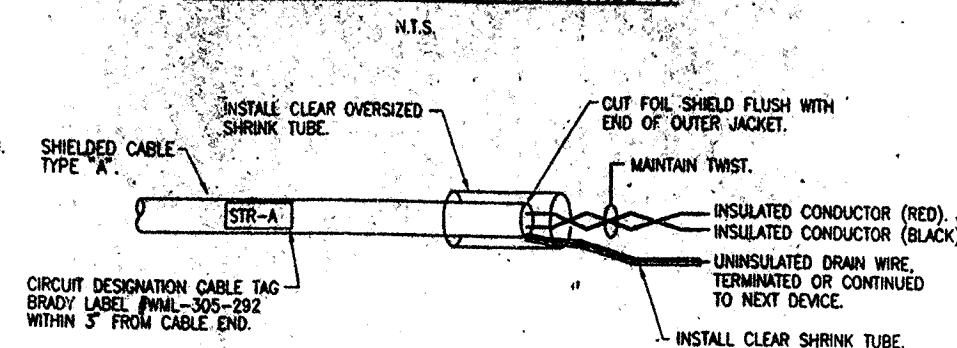
## CIRCUIT LEGEND

- CIRCUIT DESIGNATION**
- STR-A OR STR-B (BRADY LABEL #MML-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.
- TYPE OF CIRCUIT:**
- STR - STROBE CIRCUIT.
  - SPK - SPEAKER CIRCUIT.
  - ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR).
  - TSC - TELEPHONE CIRCUIT.
  - SD - SMOKE DETECTOR CIRCUIT.
  - 12D - CABLE PAIR #12 RUNNING DOWN TO TSC-1/F FLOOR BELOW.
  - 12U - CABLE PAIR #12 RUNNING UP TO TSC-1/F FLOOR ABOVE.
  - 12M - CABLE PAIR #12 RUNNING FROM MUXRY (TRANSPONDER).
- CIRCUIT NUMBER OR NAME:**
- A TO G - STROBE OR SPEAKER CIRCUIT NUMBER.
  - ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET.
  - PS - CIRCUIT TO PULL STATIONS.
  - ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR.
  - MA - MACHINE ROOM SMOKE DETECTORS.
  - HWAC - CIRCUIT TO HWAC SMOKE DETECTOR.
  - IC - CIRCUIT TO OPEN AREA SMOKE DETECTOR.
  - WP - INTERFACE CABINET CIRCUIT.
  - IC - MAINTENANCE PHONE JACK CIRCUIT.
  - WP - WARDEN TELEPHONE CIRCUIT.
  - SJ - STAND PIPE PHONE JACK CIRCUIT.

# TERMINATION LEGEND (EXISTING REMOVAL AND ADDITIONS)

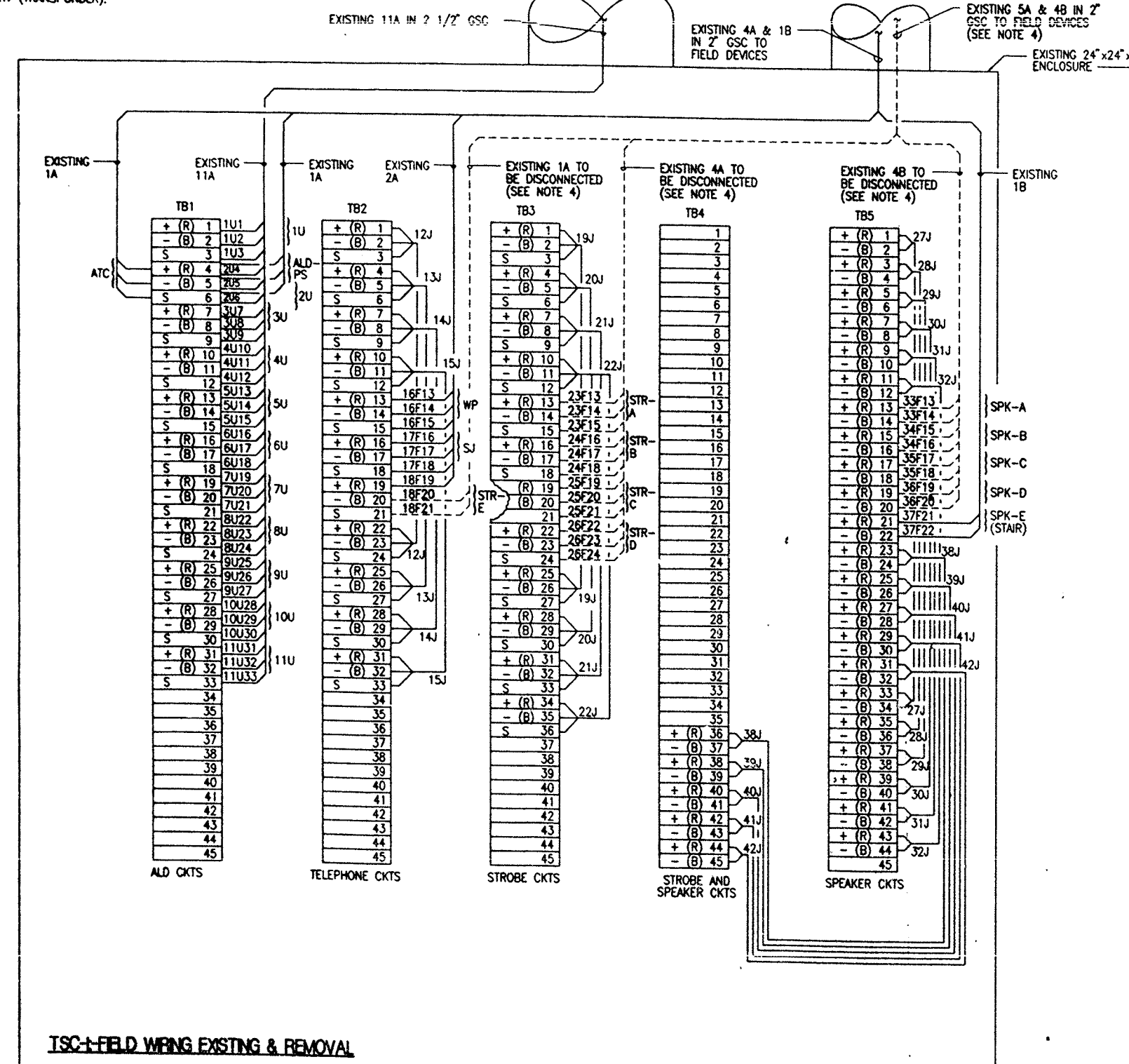
- TERMINAL BLOCK STRIP NUMBER 5**
- EXISTING TERMINAL BLOCK WITH THE BLOCK NUMBERING.
- EXISTING #14 (U.O.N.) CONDUCTOR OR DRAIN WIRE TO REMAIN CONNECTED.
- #14 CONDUCTOR OR DRAIN WIRE TO BE DISCONNECTED AND REMOVED AS SHOWN ON EXISTING AND REMOVAL BLOCK WIRING DIAGRAM.
- #14 CONDUCTOR OR DRAIN WIRE TO SHAPE LABEL AND CONNECTED AS SHOWN ON EXISTING, RELOCATIONS AND ADDITIONS BLOCK WIRING DIAGRAM.
- CONDUCTOR OR DRAIN WIRE IDENTIFICATION TAG. LIGHT TEXT REPRESENTS EXISTING CONDUCTOR TAG TO REMAIN. HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #MML-205-292-1 O.A.E.) TO BE FURNISHED AND INSTALLED.
- 27 U 5
- INDICATES TERMINAL BLOCK NUMBER.
- INDICATES DESTINATION OF CIRCUIT CABLE.
- U - FOR CABLE RUN TO TSC AT FLOOR ABOVE.
- D - FOR CABLE RUN TO TSC AT FLOOR BELOW.
- M - FOR CABLE RUN TO MUXRY.
- F - FOR CABLE RUN TO DEVICE(S) ON THE FLOOR.
- INDICATES CABLE PAIR NUMBER.
- 1-4 - FOR ALD LOOP CIRCUIT.
- 5-11 - FOR STROBE CIRCUIT.
- 12-17 - FOR TELEPHONE CIRCUIT.
- 18-26 - FOR STROBE CIRCUIT.
- 27-42 - FOR SPEAKER CIRCUIT.
- TERMINAL BLOCK NUMBERING TAG. ADDITIONAL MARKINGS ARE FOR INFORMATION ONLY.**
- +(R) 5
- INDICATES TERMINAL BLOCK NUMBER.
- BRADY LABEL # T802-502-281 (O.A.E.)
- INSULATION COLOR OF THE CONDUCTOR.
- (R) - RED (B) - BLACK
- POLARITY**
- ⊕ - POSITIVE
- ⊖ - NEGATIVE
- ⊗ - SHIELD/DRAIN

# TYPICAL SHIELD/DRAIN INSULATING METHOD "A"

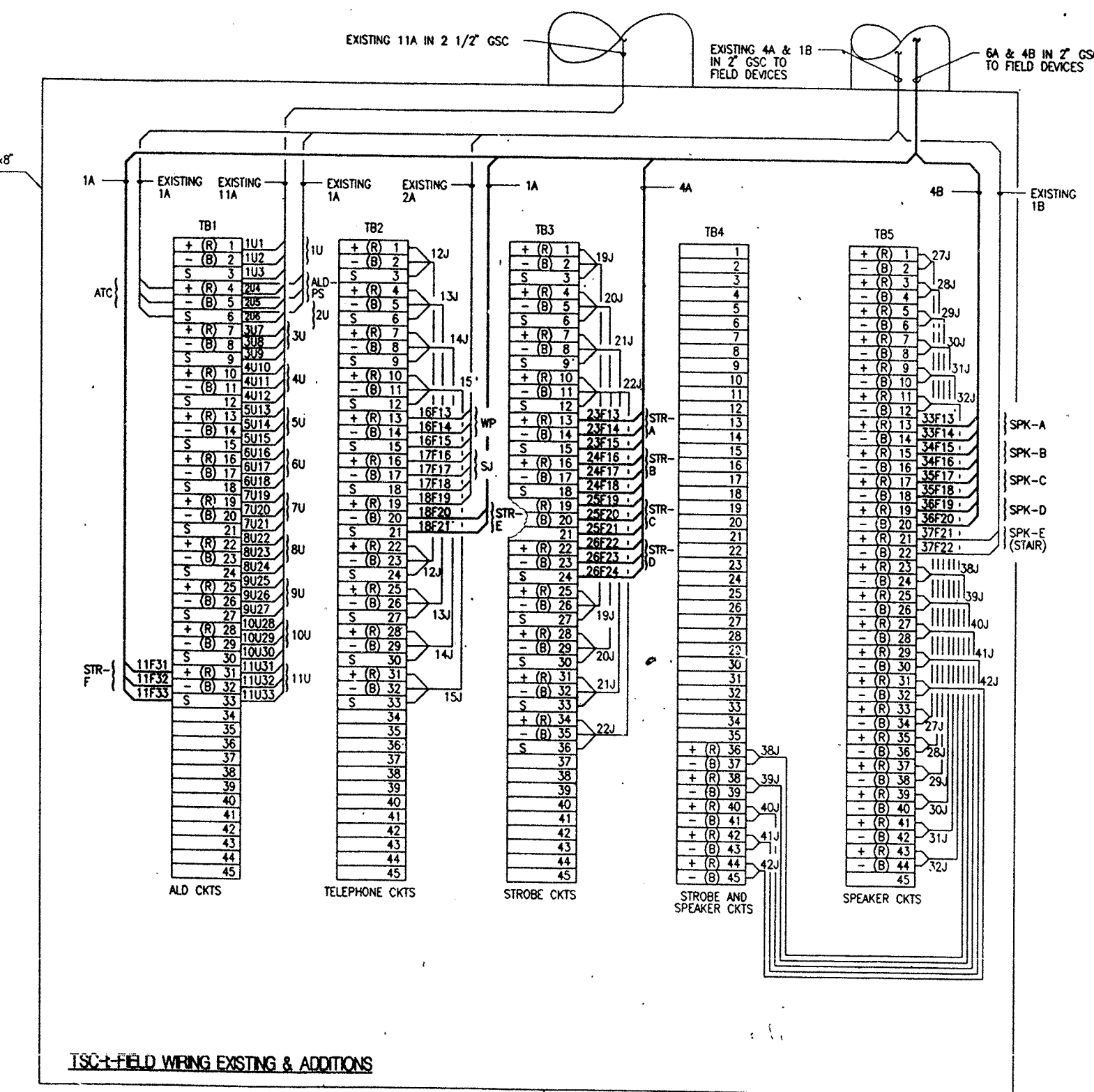


## NOTES

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG F-1-2-1
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. DISCONNECT AND COMPLETELY REMOVE CABLES FROM TSC CABINET. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.



TSC-1 FIELD WIRING EXISTING & REMOVAL



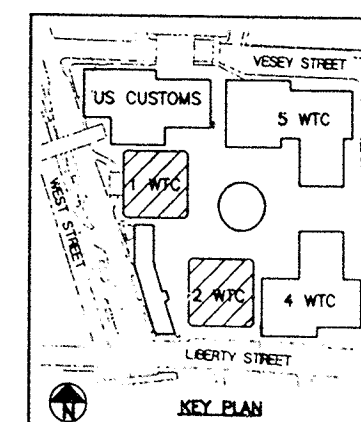
TSC-1 FIELD WIRING EXISTING & ADDITIONS

# TSC-1 CABINET BLOCK WIRING DIAGRAM

NOT TO SCALE

## NOTES

1. FINAL CONNECTIONS IN THE TSC CABINET SHALL BE MADE BY THIS CONTRACTOR. THE CONTRACTOR SHALL STRIP, SHRINK, SHAPE AND LABEL TO DESIGNATED TERMINAL TERMINATION WILL BE AS DIRECTED BY THE ENGINEER.



KEY PLAN

Sheet

Of

THE PORT AUTHORITY  
OF NY & NJ



Joseph R. Loring  
& Associates, Inc.

consulting engineers

One Pennsylvania Plaza  
New York, New York 10119-0045  
Tel: (212) 563-7400  
Fax: (212) 563-7382

SCR Design Organization, Inc.  
architects  
305 EAST 45 STREET  
NEW YORK, N.Y. 10017  
TEL: (212) 421-3500

1 8/24/98 AS BID DC

No. Date Revision Approved

Engineering Department  
Design Division  
The World Trade  
Center

TOWER 1  
FLOOR 78  
FIRE ALARM  
TSC-1 BLOCK  
WIRING DIAGRAM

This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

F.D. F.O. 4565.000

Designed by Drawn by JRLA JOB No.

4/27/98 P.E.N. NONE

Date Checked by Scale

Contract Number Drawing Number

WTC-857.090 F-1-78-4